

ULTRAK SG-10 Segment and Multi-purpose Timer

Instruction manual

The SG-10 SEGMENT AND MULTI-PURPOSE TIMER has large LED digits viewable up to 300 feet away. It can be programmed and controlled by the enclosed remote control or a smartphone via the "SEGMENT TIMER" app, which can be downloaded from the Apple App Store (for iphones) or the Play Store (for Android phones).

FEATURES:

- 5 Operation Modes (Segment timer, Count up/down, Clock, Scoreboard)
- Large 12.5 inch LED digit for viewing from as far away as 300 feet
- 7 hours' battery life
- Operable under light rain
- 120 degrees viewing angle
- RF Remote Control: control range within 65 Feet
- Bluetooth connect with smartphone
- Adjustable Buzzer volume and brightness

LIST OF ACCESSORIES:

- Segment Timer
- Remote
- Battery for the remote (2 AAA battery)
- AC-DC adapter (110v-220v to 12V, 2A)
- 2 Stainless steel chain (1.5 feet long)
- 2pcs removable supporting feet
- Instruction manual



PRODUCT SPECIFICATION:

- Weight: 6 KG
- Dimension: W640mm x H407mm (449mm with handle) x T55 mm
- Battery life: 7 hours
- Charging time: 6 hours
- Charge only with DC, 12V, 2A adapter that comes together, **DO NOT USE** other adapters

STRUCTURAL DESCRIPTION:

- ①. Hook
- ②. Power indicator
- ③. Power ON/OFF Switch
- ④. Charging port
- ⑤. Removable supporting feet
- ⑥. Magnetic Covers



Fig.1 Structural description

SECURITY WARNING:

- Not recommended to operate under rain for an extended time
- Stored in dry environment recommended
- Keep away from fire
- Always use enclosed 12VDC adaptor to charge, **DO NOT USE** other adapters.
- Always charge soon after the low battery power indicator light starts to flash
- Do not look closely at LED for extended time

ON/OFF SWITCH:

Toggle the Power ON/OFF Switch ③ to “I” to turn on the Segment Timer. Toggle switch to “O” to turn off the Segment Timer.

POWER INDICATOR:

The battery power indicator is displayed on the left most column of the display when the display is on. The LED lights will gradually turn off as the battery power drains down.

It is recommended to always charge the segment timer with the display OFF. The red LED on the adapter will turn on when the Segment timer is being charged. When charging is completed, the green light on the adapter will turn on and the red light will turn off.

To charge the timer, remove the water-proof charging port cover ④ at the side and insert the power adaptor plug. Charging will start immediately.

FUNCTIONAL DESCRIPTION:

SEGMENT TIMER

Operation:

Press the SEGMENT TIMER button on the remote to go to the Segment Timer mode.

At default the segment number is at 1 (2 left digits) and 00 for the countdown time for this segment (2 right digits), as in Fig. 2.

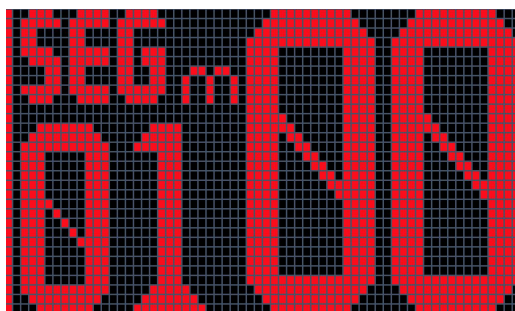


Fig.2 Segment time setting
(Segment 1, 0 minute)

Use the **S+10**, **S+1**, **S-10** and **S-1** buttons to change the segment numbers and the **+10**, **+1**, **-10** and **-1** buttons to change the setting of the countdown time in that segment. All values will be memorized until further change.

When the countdown time for a segment has been set, press the BREAK/SEGMENT button to set the Break time for that segment, using the **+10**, **+1**, **-10** and **-1** buttons. When setting the Break time, a “B” turned on above the “m” or “S”, as in Fig. 3.

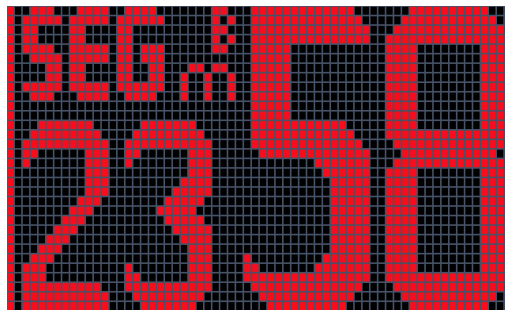


Fig.3 Break time setting
(Segment 23, Break time 58 minutes)

During setting press **MINUTE/SECOND** button to change from minutes to seconds or vice versa. Display will show an “m” when minutes or a “s” when seconds.

When all segments and their break times are set, press **START/STOP** button to start the segment countdown.

When countdown reaches the last minute, time display changes automatically to seconds with a “s” shown next to SEG. When the countdown reaches 00, a 2-second-long beep will sound with the Break time countdown starts right away. At the end of the set Break time, 1 short beeps will sound and the next segment starts counting down right away.

When the segment timer is counting down in minutes, a gradually diminishing LED block is displayed next to SEG to show the progress of the countdown (Fig.4).

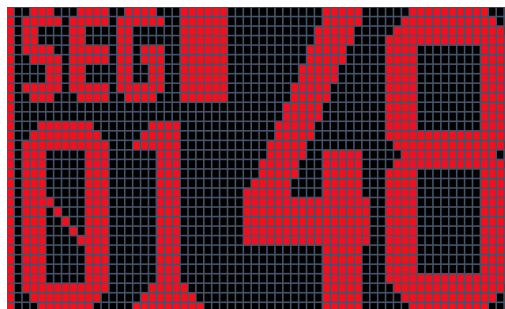


Fig.4
(Segment 1, 48 minutes 59 seconds left)

When the countdown reaches the last minute, the time changes to seconds and a “s” is shown next to SEG (Fig. 5)

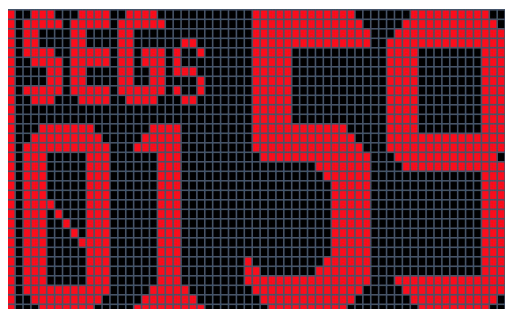


Fig. 5 Counting down last minute
(Segment 1, 59 seconds left)

If no Break time is set for the segment, the next segment starts right away after the previous segment finishes.

- Max Segment number: 99
- Segment time: the time can be set in minutes and seconds (Max time 99 Minutes and 59 Seconds)
- Break time: the time can be set in minutes and seconds (Max time 99 Minutes and 59 Seconds)
- Automatic change to seconds when counting down to the last minute.

COUNT UP/DOWN



Fig.6 Count Down Time
(12 minutes 30 seconds left)

Press the **Count up/down** button on the remote to go to the count up/down mode.

In count down, press the **CLEAR** button for 2 seconds to reset the previous setting. The hour will flash after resetting, using the +10, -10, +1, -1 buttons to set the count up/down hours.

When hour is set, press **SET** button to set minutes using the +10, -10, +1, -1 buttons. When minutes is set, press **SET** button again to finish setting. (Max is 99 hours 59 minutes.)

Press **START/STOP** button to start or stop countdown. At the end of countdown, there will be 2 long beeps.

When it is in Count UP mode press **START/STOP** will start or stop the counting.



Fig.7 Count up Time
(42 Minutes 38 Seconds)

N.B.: When the count up/down is counting, switching to SEGMENT TIMER mode will not affect the counting in the count up/down mode, but the buzzer beep corresponding to the count up/down will be disabled. When the segment timer is counting, switching to count up/down mode will disable the beep in the segment timer time mode.

SCOREBOARD

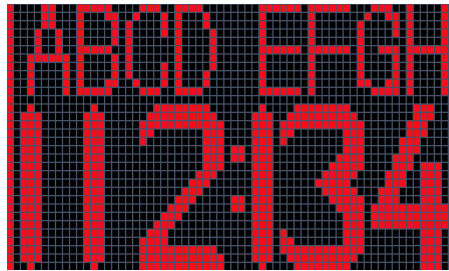


Fig.8 Scoreboard

(Team ABCD: Team EFGH =112:134)

Press the SCOREBOARD button to go to the Scoreboard mode. Use the **S+10**, **S-10**, **S+1**, **S-1** button to set the T1 scores, and the **+10**, **-10**, **+1**, **-1** buttons to set the T2 scores. Press and hold CLR button to reset all scores.

(4 alphabets each can be set for T1 or T2 in the mobile phone APP and sync to the timer when Bluetooth is connected)

CLOCK

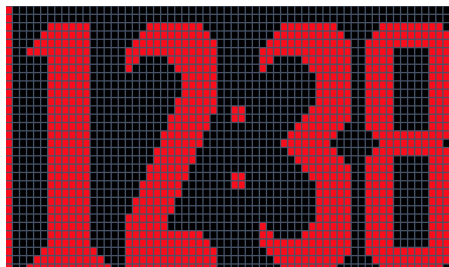


Fig.9 Clock (12:38)

Press the **CLOCK** button to go to the clock display. Press the and hold **SET** button for 2 seconds to set hour using the **+10**, **+1**, **-10** and **-1** buttons. The time display can either be set to 12 or 24 hour format while setting the hour (01 A, 02 A.....12 P, 01 P.....11 P, 00, 01.....23, 24, 01 A.....)

When set hour is completed press **SET** button to set minutes. The seconds is reset to 00 every time the minute is advanced. Press **SET** button again to finish time setting.

How to use a App to set your Segment Timer?

1. For the iOS user, download the App from the Apple App Store, search for "Segment timer".
 2. For the Android user, download the APP from Google Play Store, search for "Segment timer".
- For the Android user, can also visit "<http://www.digisportinstruments.com>", click "SCOREBOARDS" and read the information about H56, click the [APP] button below the information can download the "Segment timer" APP for H56.



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APP Download page for
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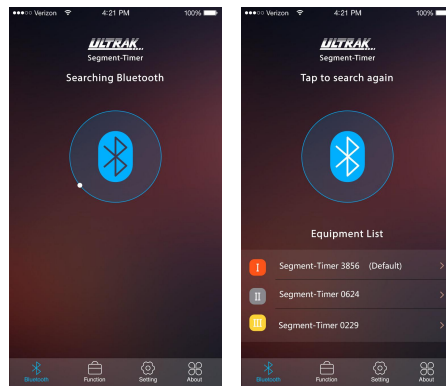


Fig.10 Connect to the Bluetooth

3. Install and open the app and tap the Bluetooth icon to search for your Segment timer.
Bluetooth in the smartphone must be on.
4. Tap the equipment list to connect to your Segment Timer, the default passcode is '0000'.
5. If the equipment is connected, list of that equipment will turn to green.
6. Tap the about page to get further information about the how to control the Segment timer by smartphone.

CARE OF YOUR SEGMENT TIMER:

TEMPERATURE

Do not leave the Segment timer in extreme conditions for an extended period of time.

WATER RESISTANCE

The SG-10 Segment timer is light rain-resistant, please wipe and dry unit after using in rain. Please store in a dry environment when not used for an extended period of time.

MAGNETISM

Not affected.

CHEMICALS

Do not expose the Segment timer to solvents such as gasoline, alcohol, cosmetic sprays, cleaners, paints, etc., as they may cause damage to the Segment timer.

BATTERY CHANGE

When the Segment timer has been charged too many times that the battery life becomes short even after charging, battery replacement is necessary. Battery replacement can only be done by recognized technical personnel.

TROUBLESHOOTING

If for any reason the Segment timer does not function, contact your dealer for an authorized service center.

Do not try to repair it yourself.